DGTEC™

THE FUTURE OF HOME ENTERTAINMENT

USER MANUAL

High Definition Personal Video Recorder

Technical Support: 1800 189 941

DG-FV1TBPVR

A clever Hills. product

NEED HELP?

If you are experiencing difficulty operating this product or require set up assistance please contact the DGTEC Service Centre. The call is free from anywhere in Australia. Our operators will assist you in plain English without the technical jargon:

Call

1800 189 941

(Australia)

8:OOam-6:OOpm Australian EST

*** Subject to change without notice.**

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CAUTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE THE COVER. THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates that high voltage is present inside. It is dangerous to make contact with any part inside the case.

This symbol alerts you of important information concerning operation and maintenance of this product.

SAFETY

- Never place the unit in hot, humid or excessively dusty places.
- Do not install the unit where it may be exposed to mechanical vibrations.
- This product should be operated only from the type of power source indicated on the rear of the unit.
- Do not touch the power cord with a wet hand or continue to use a damaged power cord. It may cause an electric shock.
- Never open the cover. High voltage in the unit may result in electrocution.
- Disconnect the power cord to the unit before connecting any cables.

CAUTION

- To prevent fire or electrical shock do not expose the appliance to water.
- Ensure that objects filled with liquids, such as vases, are not placed on the apparatus.
- If an object or liquid gets into the unit, disconnect the plug and ask an approved technician to check the unit.
- Never place the unit in a confined space such as a bookcase or built-in cabinet unless proper ventilation is provided. Leave a 10cm gap around the unit.
- The recommended operating temperature is from 0℃ ~ 40℃ and humidity should be under 95%.
- For your own safety, do not touch any part of the unit, power lead or aerial lead during a lightning storm.
- Use a damp cloth to clean the unit.
- Do not use liquid cleaners, solvent or abrasive products, etc.

1.1 Parts List

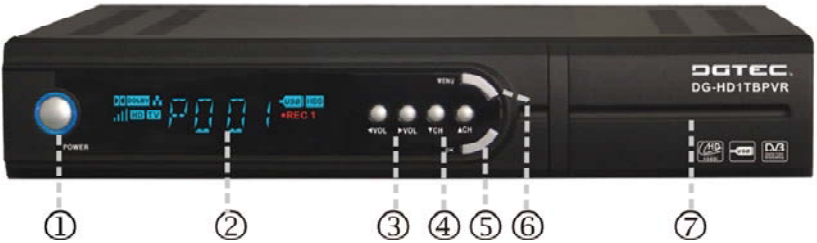
Please make sure the following accessories are supplied with the PVR.

① High-Definition Personal Video Recorder (PVR)
② Remote Control
③ RCA Video/Audio Cable
④ Batteries (AAA Size)
⑤ User Manual
⑥ RF Loop Cable

1.2 Features

- Twin Tuner High Definition Personal Video Recorder.
- Record two channels at the same time and watch a third channel from the same bandwidth. For example record channels 7 and 9 and watch either channel 72 or channel 99.
- Record two channels at the same time and watch a recorded file in playback.
- Chase play a file that is recording.
- Timeshift, press the **PAUSE** key on the remote to pause Live TV.
- Set your recordings a week ahead using the EPG.
- View JPEG files and play MP3s from a USB drive.
- Records programs from standby mode.
- Copy files from HDD to USB or USB to HDD.

1.3 Front Panel



1. Standby Button

Press to switch between operation and standby modes. The blue LED illuminates when in the standby mode.

2. Volume Left/Right Button (◄/►)

Moves the cursor left/right when in the menu or adjusts the volume level in operational mode.

3. CH UP/Down Button (▲/▼)

Moves the cursor up/down when in the menu or changes the current program to the previous/next channel in operational mode.

4. OK Button (OK)

Press to select an item in the menu or to activate the Channel List in operational mode.

5. Menu Button (MENU)

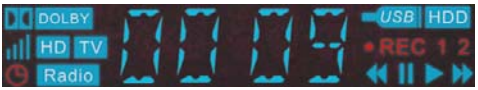
Press to display the Main Menu or to exit from the menu.

6. Infrared Remote Sensor (IR)

A hidden sensor senses infrared signal from the remote control.

7. Front Panel Display

Front panel window displays operational information. Not all symbols featured below can be displayed at the same time.



USB / HDD lights up when there is USB 2.0 Flash Drive / USB 2.0 External Hard Disk Drives connected to the PVR;

●***REC 1 / 2*** illuminates when the PVR is recording one or two programs;

◄◄ / ❚❚ / ► / ►► illuminates in accordance with the active function in playback mode;

TV / Radio illuminates the active mode;

HD / DOLBY Displayed when HDTV or Dolby is detected in the program;

◷ lights up when timer events booked in the EPG or timer;

The signal quality and channel number will also be displayed on the front panel.

1.4 Rear Panel

1. ANT IN

Antenna feed is connected to this Input. Small loop cable is connected from IN2 to OUT 1 (diagonally positioned).

2. ANT OUT

Used to connect an extra analogue or digital receiver.

3. RS232 Serial Port

For firmware update, serial communication port (RS-232).

4. DIGITAL AUDIO (S/PDIF / Optical)

Connects to an External Audio Amplifier with S/PDIF /Optical Digital Audio.

5. USB

USB port is used for viewing external files on a memory stick, and for possible software upgrades. (To be advised by DGTEC technician)

6. HDMI Connector

Connects High-Definition Multimedia output to HD Monitors (HDMI Type).

7. YPbPr

Connects component video to HD Monitors (YPbPr Type).

8. AUDIO L/R (White / Red RCA)

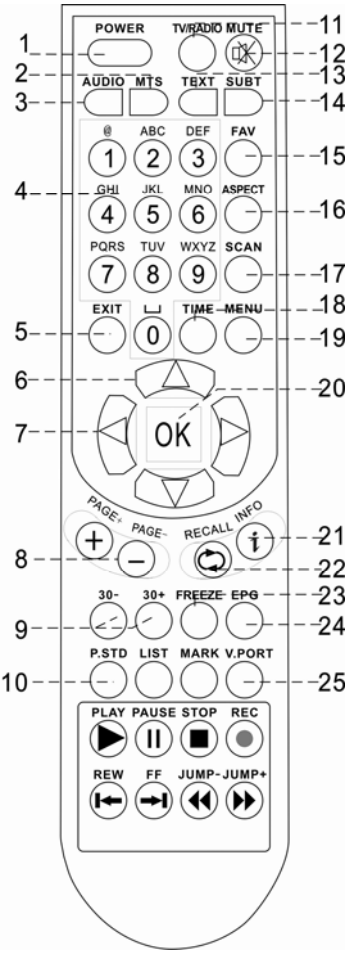
Connects to a TV audio input, HD Monitors audio input or an External Audio Amplifier.

9. VIDEO (Yellow RCA)

Connects to a TV with video input.

1.5 Remote Control Unit

All PVR features can be operated with the remote control.



1. ⏻ POWER: Press to switch between operation and standby mode.

2. MTS: Press to select an item in the sound mode.

3. AUDIO: Select an item in the audio mode.

4. NUMERIC KEYS: Select channels and input numbers for codes

5. EXIT: Press to return to the previous menu or to escape from the current mode.

6. Up ▲/ Down ▼: Change the channel or move the cursor in the menu.

7. Left ◀/ Right ▶: Adjust volume or move cursor in the menu.

8. PAGE +/ PAGE–: Press to navigate to top and bottom of pages in the channel list and EPG.

9. 30- (Red) / 30+ (Green): 30sec jump backwards / forward.

10. P.STD: Selects the display resolution mode (1080i/720p/576p).

11. TV/RADIO: Press to switch between TV and RADIO mode.

12.🔇 MUTE: Press to mute the sound.

13. TEXT: Display the Teletext information (not always available).

14. SUBT: Displays Closed Captions (CC).

15. FAV: Press to display Favorite Channel Mode.

16. ASPECT: Press to select 4:3 or 16:9 aspect ratio mode.

17. SCAN: Press to automatically scan for digital channels.

18. TIMER: Enters Timer environment.

19. MENU: Displays or exits the Main Menu.

20. OK: Select a highlighted item in the menu or displays the channel list.

21. *i*: Displays current program information.

22. RECALL: Return the previous channel.

23. FREEZE (Yellow): Freeze the video output of the PVR (this is not Timeshift, press Pause to activate Timeshift).

24. EPG (Blue): Displays the 8 day Electronic Program Guide.

1.6 Installing the batteries in the remote control

1. Press down on the retaining catch on the lid of the battery recess on the remote control and slide downward to remove the lid.
2. Insert two AAA batteries into the recess.
3. Replace the lid over the recess and gently push down on the lid and slide upward until it snaps firmly into place.

Caution

1. Keep batteries out of the reach of children.
2. Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.
3. Always replace both batteries at the same time. Never mix new and old batteries or batteries of a different type.
4. If you don't intend to use the remote control for an extended period, remove the batteries to prevent possible leakage and corrosion.
5. Do not drop, apply shock or step on the remote control.
6. Do not spill water on the remote control.

Note: If the PVR does not respond when operating the remote control from a close range, you will need to replace the batteries.

Using the Remote Control

1. To use the remote control, point it towards the front of the PVR.
2. The remote control has a range of up to 7 metres from the PVR at an angle of up to 60 degrees.
3. The remote control will not operate if its path to the sensor on the front panel of the PVR is blocked.

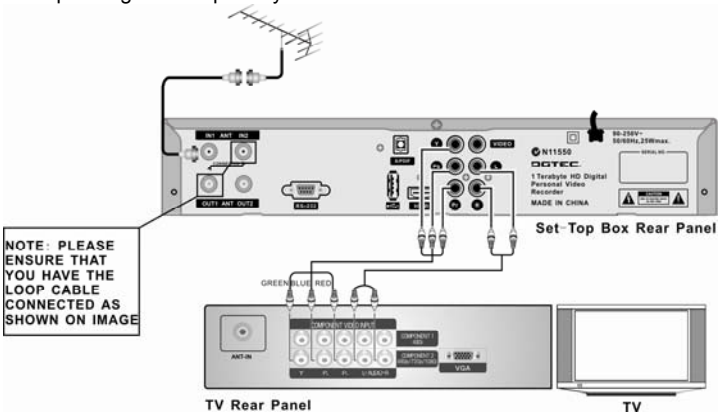
Note: Sunlight or very bright light will decrease the sensitivity of the remote control.

1.7 Connecting to Equipment

1. Connect your TV antenna cable to the "**ANT IN**" jack on the back of the PVR using coaxial RF cable. Make sure the loop cable is connected correctly to activate the second tuner (see the diagram below)

YPbPr connection

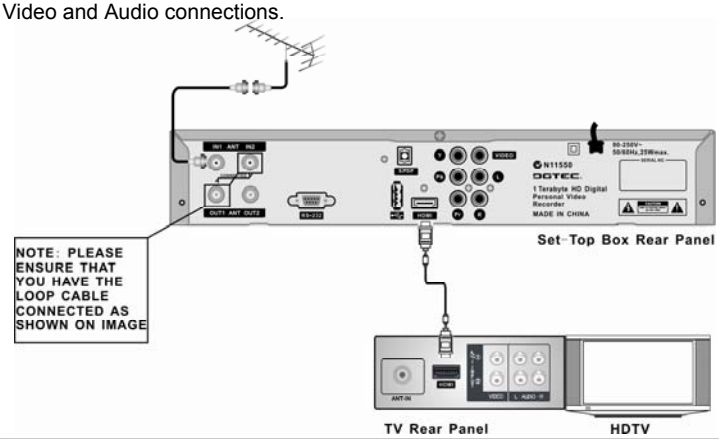
2. Connect the **YPbPr** output connectors (three RCA connectors - green, red and blue) for video from the rear panel of the PVR to the COMPONENT IN on your television matching colour for colour and **AUDIO L/R** output connectors (two RCA connectors – red and white) for audio from rear panel of the PVR to the corresponding audio input of your television.



HDMI

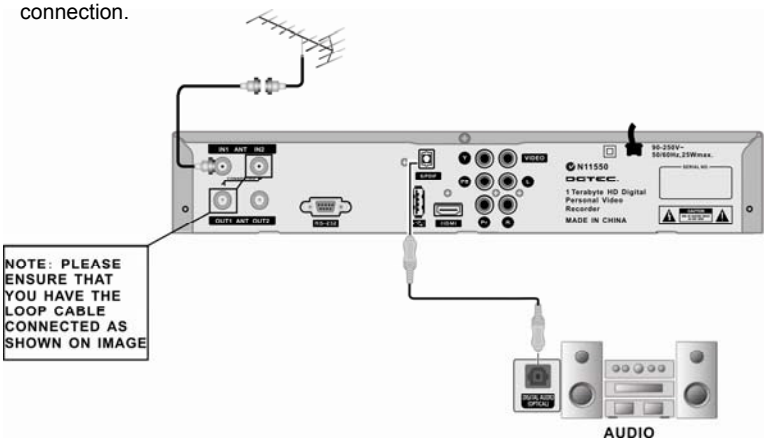
High Definition Multimedia Interface (HDMI) provides both high quality digital video and audio connection in one cable.

3. Connect the **HDMI** cable from the HDMI output on the rear panel of the PVR to the corresponding HDMI input of **HDTV** or Amplifier using HDMI cable for both Video and Audio connections.



VIDEO

4. Connect the **yellow** video lead from the yellow video output on the rear panel of the PVR to the yellow Video input on your television to establish video connection. Connect **AUDIO L/R (red and white lead)** from the connectors on the rear of the PVR to the red and white **AV inputs** of the television to establish audio connection.



Note: Please ensure that your TV is set to the correct input channel depending on your connection type.

First time installation

After all the connections have been established, switch on your TV. If you are using the PVR for the first time or you have restored it to factory default, channel search will automatically commence and save all digital channels found after you have selected the correct bandwidth (7MHz for Australia now).

When scanning is complete, all active digital channels found will be stored automatically in the Channel List. The system will search for and store digital TV and digital Radio Channels in separate lists. To view the lists use the **TV/RADIO** key on the remote control to select either TV or Radio then press **OK** to display the list of available digital channels.

To stop scanning at any stage press the **EXIT** key on the remote control, all channels scanned to that point will be stored.

Now you are ready to watch digital TV.

Changing Channels

There are four methods for changing channels:

1. Press the **NUMERIC** keys **(0~9)** on the remote control to select the logical channel number you wish to view.
2. Use the **▲/▼** keys on the remote control or the front panel to navigate through all the available digital channels,
3. Press the **OK** key on the remote control or front panel to display the channel list on screen, then use the **▲/▼** keys to navigate through the list. Press **OK** on the remote control or front panel to display any channel highlighted on the list, or
4. Press the **RECALL** key to view the previous channel selected.

Volume control

Press the **◄/►** key on the remote control or front panel to adjust the volume.

Mute

1. Press the **MUTE** key to temporarily stop the sound.
2. To cancel mute, press the **MUTE** key again.

Freezing the picture

1. Press **FREEZE** key to freeze current program, the pause icon will appear on screen. This function freezes the picture at that point in time only, it **is not timeshift**. If you want to initiate **timeshift** make sure that the **timeshift** function is active in the **PVR Settings** sub menu then press **PAUSE** on the remote control.
2. To cancel Freeze and continue watching TV, press the **FREEZE** key again, the icon will disappear and the program will commence at the current time.

Change screen aspect ratio

Press the **ASPECT** key to switch screen aspect mode (16:9 full screen, 16:9 Letter box, 4:3 full screen, 4:3 letter box, 4:3 panscan).

Change TV/Radio mode

Press **TV/Radio** key to toggle between Digital TV and Digital radio mode.

View program info

1. Press the **INFO** key on the remote control to display basic information for "**NOW**" and "**NEXT**" programs on that channel.
2. Press the **INFO** key a second time to display detailed information for the "**NOW**" program.
3. Press the **INFO** key again to display detailed information for the "**NEXT**" program.
4. Press the **INFO** or **EXIT** key on the remote control to exit from the extended information environment.

Subtitle

Press **SUBT** key to switch subtitle (Closed Captions) on/off.

NOTE: Not all programs have Closed Captions included.

Teletext service

1. Press **TXT** key to open a teletext page (if teletext is transmitted).
2. Press **TXT** key again or press **EXIT** key to close the teletext.

EPG (Electric Program Guide)

Your PVR provides you with an electronic program guide for up to 8 days of programs in advance (where available from the broadcaster) which will allow you to view on a channel by channel basis and tag programs to be recorded to the Hard Drive.

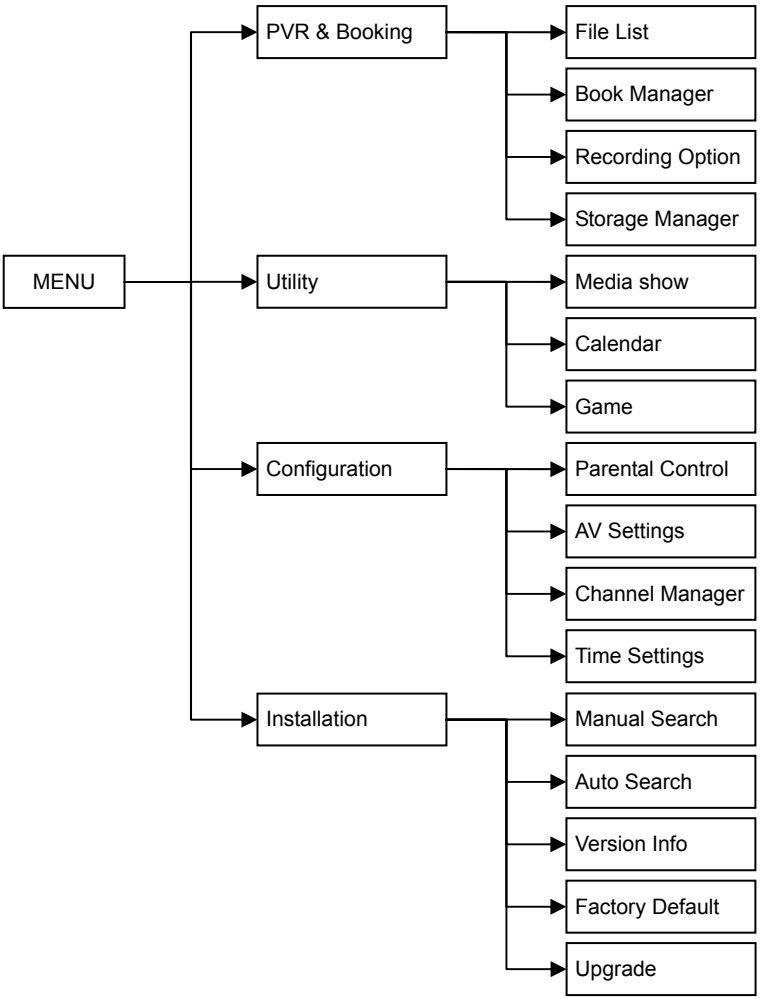
1. Press **EPG** key on the remote control to activate the EPG. Use the ▲/▼keys to scroll up and down to each channel. Program information will be displayed in the right hand screen panel. Use the ◄/► keys to change dates in the EPG.
2. Use the **BLUE** key to enter into the right hand screen panel where the programs are listed. Use the ▲/▼ keys to move up and down through the programs for that channel for that day.
3. Press the **YELLOW** key to view detailed information for any highlighted event.
4. Press the **RED** key to tag the highlighted program for recording, a dialogue box will displayed providing options(ONCE, DAILY, WEEKLY) select one and press **OK**, a symbol will appear along side the program name. The event has been added to the Book Manager.
5. Press the **BLUE** key to return to the channel list. Press **EXIT** to exit.

Navigation in the main menu

1. Press **MENU** key to bring up the main menu or return to previous item.
2. Press ◄/► keys to move left/right.
3. Press **OK** key to activate the highlighted menu item.
4. Press **EXIT** key to exit the main menu.

The main menu is divided into 4 sections please refer to the menu tree below.

Menu Tree

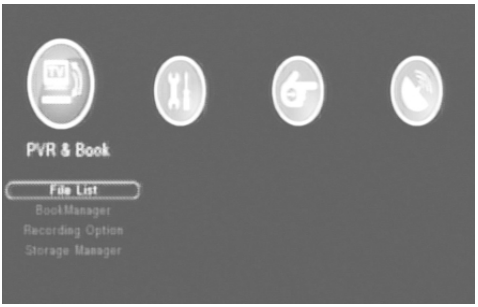


2.1 MENU INFORMATION

< Starting up for the First Time >

1. Turn on your TV and PVR.
2. Channels should already be scanned if you have followed the quick start wizard.

Press **MENU** key the main menu will be displayed.



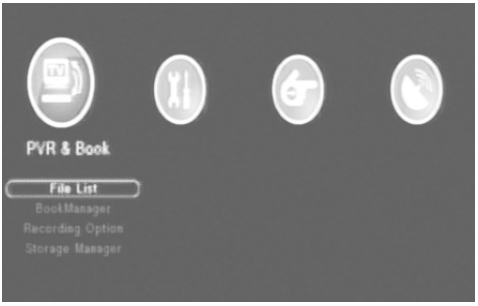
< Navigation in the main menu >

1. Press **MENU** key to bring up the main menu.
2. Press **◄/►** key to move left/right to the desired sub menu.
3. Press **OK** key to enter into the sub menu you desire.
4. Press **EXIT** key to exit the main menu.

2.2 PVR & Booking

You can record TV programs to the built-in hard drive and copy them to an external Hard Drive by USB.
You can record a program while watching another one with this PVR. You can record two different programs while watching another one only if these three programs are in two different TP's or the same TP.

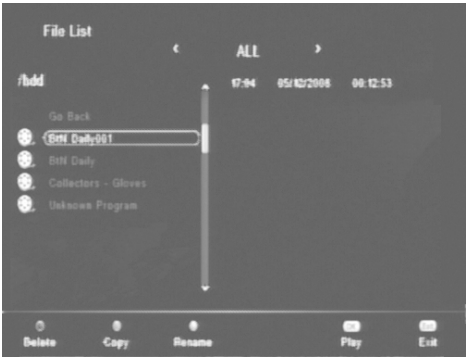
Press the **◄/►** keys to choose "**PVR & Booking**" in the main menu, then press **OK** key, the PVR will enter the **PVR & Booking** menu.



Press ▲/▼ keys to choose the submenu, and then press **OK** to enter.
(Note: To use an external USB storage device, you must connect the external USB storage device to the USB port of the PVR.)

2.2.1 File List

You can see the files stored in the external USB storage device as well as the built-in hard drive in the **File List** menu.
Choose **File List** in the **PVR & Booking** menu, press **OK** to enter.
If there is an external hard drive, you can choose to enter the external USB storage device or the built-in hard drive.



If you enter the built-in hard drive's file list, you can playback recorded programs, or even the files copied from other the external USB storage device.

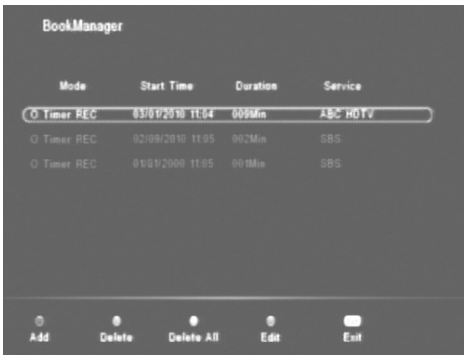
Press ▲/▼ keys to choose the files, and then press **OK** to play.
In playback mode, you can use these special keys to control.
PLAY ►: Press to play a selected recorded program.
PAUSE ❚❚ : Press to pause playing or recording program.
REW ←: X2, X4, X8, X16 Fast Rewind.

FF ⟶I: X2, X4, X8, X16 Fast Forward.
JUMP – ◀◀**:** Skip Fast Rewind.
JUMP + ▶▶**:** Skip Fast Forward.
i **:** Display program information.

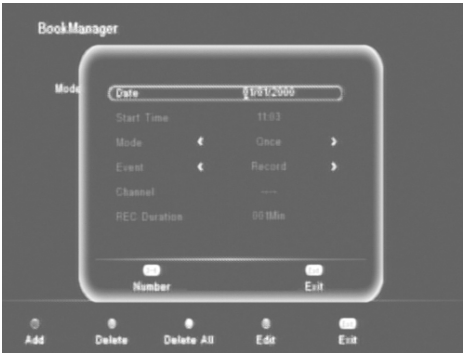
In the File list environment:
Press the **RED** key to delete the highlighted file.
Press the **GREEN** key to copy the highlighted file to the external USB storage device.
(You can continue watching TV or even record while copying a file.)
Use the **YELLOW** key to rename the highlighted file.
Press **EXIT** to exit the menu.

2.2.2 Book Manager

Book Manager. Lists the recording events that you have scheduled using the **Book Manager** and the **EPG**. In this environment you can manage your scheduled recordings.
Use the ▲/▼ keys to highlight a recording event in the list or press **EXIT** key to exit the menu.



RED key, **adds** a scheduled recording event. Press the **RED** key to activate the **Book Manager** sub Menu dialogue box below.
GREEN key, **deletes** a scheduled recording event, use the ▲/▼ keys to highlight the scheduled event you want to delete, press the green key to delete the event.
YELLOW key, **deletes** all booked recording events in the list. If you have active recordings you will need to stop them first.
BLUE key, is used to **edit** an existing timer event booking entry, use the ▲/▼ keys to highlight the scheduled event you want to edit then press the **BLUE** key to activate the booking information. After making your changes press **EXIT** and then **OK** to confirm the change. To exit without saving the change use the ◄/► keys to highlight **No** and press **OK**.



Date / Start Time
Enter the date and start time for your timer event.

Mode
Select “Once/ Daily/ Weekly” from the list.
Once – use this setting for one off timer event.
Daily – use this option to record at the same time and duration every day, suitable for daily program series.
Weekly – use this option to record at the same time and duration once a week, suitable for weekly program series.

Event
There are three options for a recording event
Power Off – use this selection to turn the PVR off at a designated time
Record – use this option when you want the system to record a program
Live Play – use this option if you would like the system to change to the channel you select in this timer event at the designated time.

Channel

Press **OK** to display the channel list, use the ▲/▼ keys to highlight the channel for the timer event and press **OK** to confirm your selection. The selection will be added in the **Channel** row.

Rec Duration

Use the ▲/▼ keys to highlight REC Duration then use the ◀/▶ keys to move the yellow cursor under the appropriate numeric columns representing the number of minutes for the scheduled timer event. Use the numeric keys to enter the number of minutes for the timer event.

Press **EXIT** to exit, the system will display a confirmation dialogue box to save the timer event and add it to your **Booking List**. Press **OK** to confirm **Yes** if you want to save the event or use the ◀/▶ keys to highlight **No** to exit without saving, once **No** is highlighted press **EXIT**.

2.2.3 Recording Option

In the **Recording Option** sub menu of the **PVR & Booking** Menu you can set the parameters for Recordings:

Rec Time: This parameter sets the standard time for a “one touch recording” event. Use the ◀/▶ keys to select from one of the following:

UnLimit – this means unlimited time, if you select this option the system will continue to record until you press the **STOP** key or the system runs out of HDD space.

30min – One touch recordings will record for 30 minutes only.

60min – One touch recordings will record for 60 minutes only.

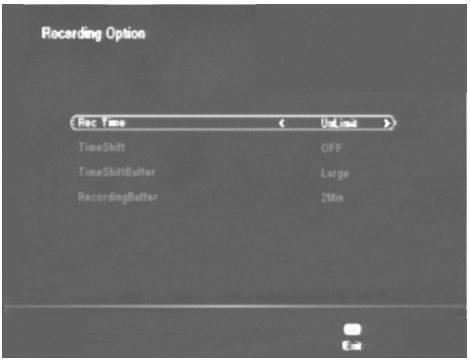
90min – One touch recordings will record for 90 minutes only.

120min – One touch recordings will record for 120 minutes only.

Time Shift: Activates Time Shift, use the ◀/▶ key to select other **ON** or **OFF**.

Time ShiftBuf: Sets up the time shift buffer length.

Use the ◀/▶ key to select from **Small**, **Mid** and **Large** for the buffer length of the Time Shift. When your selections are complete press the **EXIT** key, the changes will be saved in the system.



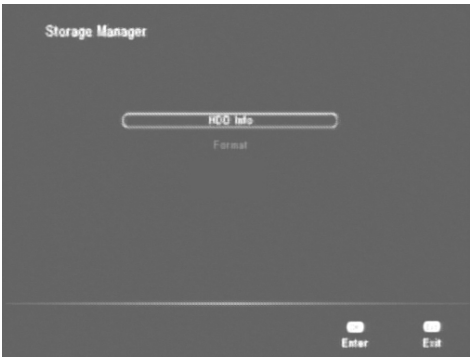
Recording Buffer

In this submenu environment you can set a time buffer to the Start and End time of scheduled recordings to ensure that you catch the start and finish of a program should it start earlier or finish later than the original scheduled time advertised by the broadcaster. Using this function will compromise your ability to set multiple back to back recordings as the program recording lengths will be increased by the number of minutes set in the buffer.

Use the ◀/▶ keys to add the number of minutes you wish to increase the start and finish times for all recording events. On EXIT your changes will be saved.

2.2.4 Storage Manager

In the **Storage Manager** menu, you can manage the built-in hard drive.



Press ▲/▼ keys to select the submenu item then press **OK** to enter, press **EXIT** to exit. Some submenus require the password to enter.

HDD Info: Displays information detailing Disk Space, Free Space and Free Rate.
Format: Reformats the HDD. Remember, reformatting the HDD will result in the loss of all previously saved recorded and other files on the HDD.
(Note: The default password is 0000.)

2.3 Utility

In this menu environment you will find these features: Media Show, Calendar and Games. Use the ▲/▼ key to highlight the item, press **OK** to enter.

(Note: This PVR can also view the files stored in the external USB storage device. To use an external USB storage device, you must connect the external USB storage device to the USB port of the PVR.)

2.3.1 Media Show

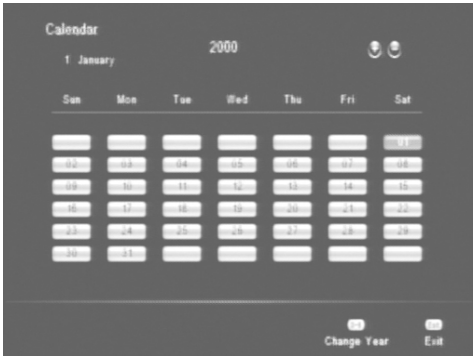
In this menu you can play MP3 and JPEG files stored from the USB storage device. Press **OK** in **Media Show** in the **Utility** menu to display playable files contained on the USB drive connected to the PVR.

Use ▲/▼ keys to highlight a playable file from the USB drive and press **OK** to play.

Note: Do not remove the USB device when playing files from in the USB storage device. This device supports the playback of MP3 format audio files／JPEG or BMP format images and recordings made on this PVR only.
Do not remove the USB device when recording or playing back the recorded files. It may cause damage to recorded files.

2.3.2 Calendar

Use the ▲/▼ keys to select **Calendar** in the **Utility** Menu and press **OK** to enter. Select the date using the ▲/▼/◀/▶, select the month using **Page＋/Page－**, use the numerical keys to input the year and use **EXIT** to leave the Calendar submenu environment.



2.3.3 Game

There are two games to play, push box and Tetris. Use the ▲/▼ keys to highlight **Game** in the **Utility** menu and press **OK** to enter. Select one of the games using the ▲/▼ keys then press **OK** to enter.

2.4 Configuration

Use the ► keys to scroll right when the main menu is displayed and press **OK** when **Configuration** is highlighted. The following screen will be displayed, in this environment you can manage Parental Control, AV Settings, Channel manager and Time Settings.

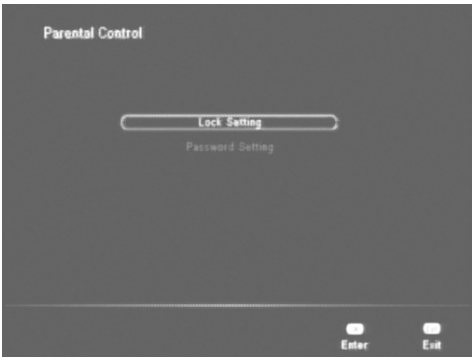
Use the ▲/▼ keys to select a submenu item then, press **OK** to enter.

2.4.1 Parental Control

Parental Guidance ratings are carried in the Free to Air Broadcasters streams and are program specific. Each program should carry a Parental Rating, this PVR allows you to set a Parental Rating Block for programs based on the Program Rating and Above. For example, if you set the Parental Block at “G” the system will block viewing of all programs carrying a rating of “G” and above, to view the program the user will need to input the PIN code.

Use the ▲/▼ keys to select **Parental Control** in the **Configuration** menu then press **OK** to enter, you will be asked to input your PIN code. ***(The default PIN code is 0000.)***

Use ▲/▼ to select the submenu, press **OK** to enter or press **EXIT** to cancel.



< Lock Setting >

Menu Lock

Use the ◀/▶ keys to change the setting in the “Menu Lock” submenu between **ON** and **OFF**. When set at **ON** anyone wanting to access the **MENU** will be required to enter the **PIN Code**.

Start Lock

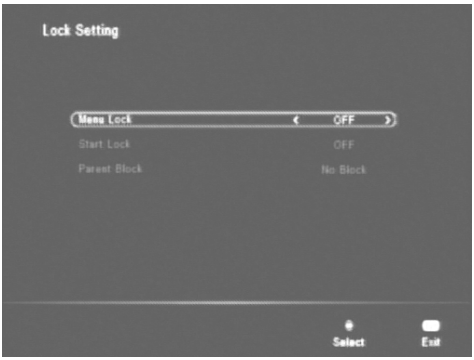
Setting on “Start Lock” will require you to input a correct PIN code to watch programs that you have locked.

Parent Block

Use the ▲/▼ keys to highlight Parental Block, use the ◀/▶ keys to navigate through the levels of Parental Block settings:

No Block
Block All
Block G and Above
Block PG and Above
Block M and Above
Block MA and Above
Block AV and Above
Block R and Above

Once you have selected the Parental Block level you require press **EXIT** to return to the previous level, the **Parental Block** setting will be saved and you will need to enter the **PIN Code** to view programs with Parental rating at the set level or above.

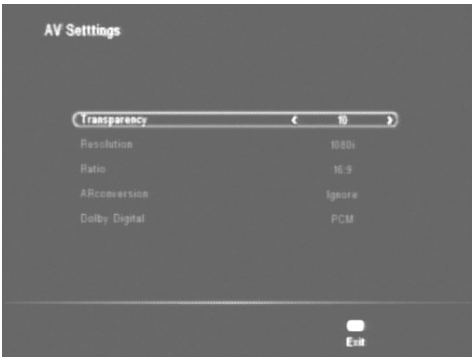


< Password Setting > ***(The default password is 0000)***

To change the current Password, Use the ▲/▼ keys to highlight the **Password Setting** menu then press **OK**. Enter the old password and then the new password, confirm the new password in the dialogue box then press **OK** to complete the setting.

2.4.2 AV Settings

Use the ▲/▼ keys to highlight **AV SETTINGS** in the **CONFIGRATION** menu environment and press **OK** to display the submenu options Transparency, Resolution, Ratio, ARConversion and Dolby Digital.



In this menu, you can use the ◄/► button to change the settings, ▲/▼ to select the item or press **EXIT** to cancel.

Transparency

This setting controls the OSD transparency level.

Resolution

You can select the display mode to suit your TV or Monitor **(1080i/720p/576p)**.

Ratio

You can switch aspect ratio between 4:3 and 16:9 Widescreen.

ARconversion

You can select the ARconversion mode (Ignore/ Pan&Scan/ LetterBox/ Combined) to adjust the picture format to suit your TV or Monitor. (This function is available on

the remote control as well – **ASPECT** key)

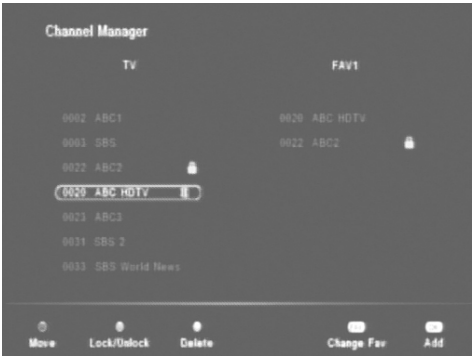
Dolby Digital

You can set the Dolby digital audio type to either PCM or AC3.

(Not all free to Air broadcast services provide Dolby Digital audio track, check the program information for more details.)

2.4.3 Channel Manager

Use the ▲/▼ key to highlight the channel to be managed. In this menu environment you can Move, Lock/Unlock, Delete channels and add or delete channels from the list to your favorites' lists.



Move: To move a channel use the ▲/▼ keys to highlight the channel, and then press the **RED** button. A green check mark will be displayed next to the selected channel. Use the ▲/▼ keys to move the selected channel to the new position and press the **RED** button again to drop the channel in its new position. Press **EXIT** to display a confirmation dialogue box, press **OK** to confirm **Yes** or use the ◄/► keys to highlight **No** and press **OK** to discard your changes.

Lock: lock/unlock a channel. Locking a Channel requires the **PIN Code** to be entered before it can be viewed. Use the ▲/▼ key to highlight the channel to be locked and press the **Green** button, a **blue** lock symbol will be displayed along side the selected channel. To confirm Locking the channel, press **EXIT** and then press **OK** when the confirmation box has **Yes** highlighted.

To Unlock the Channel use the ▲/▼ key to highlight the channel to be unlocked and press the **Green** key, the lock symbol will disappear. Confirm this action on **EXIT** from this submenu environment by pressing the **OK** key when **Yes** is highlighted in the confirmation dialogue box.

Delete: You can delete selected channels. Be aware that this function can completely delete saved channels. When you delete a channel in the menu, the channel is also deleted from the Favorite List.

◄/►: Use ◄/► button to switch between TV and FAV channel lists.

FAV: Use **FAV** button to change FAV lists.

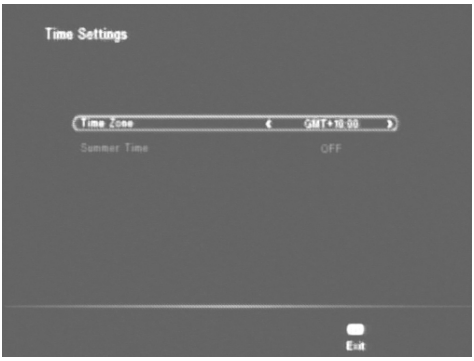
You can create up to 3 lists of your favorite channels. The default favorite list names are “FAV1 ”,“FAV2 ”,“FAV3 ”.

Use the ▲/▼ keys to highlight the channel to be added to you selected Favorites List. Press **OK** to add the channel to the current favorites list. A channel can be included in more than one favorite list. You can navigate through the favorite lists by pressing the **FAV** button.

Use the **FAV** key on the remote control to activate the favorites lists, press repeatedly to scroll through the three lists.

2.4.4 Time Settings

Use the ▲/▼ keys to highlight **TIME SETTINGS** in the **CONFIGRATION** menu environment and press **OK** to display the submenu options. Use the ◄/► keys to change the Local Time and settings, use ▲/▼ to select the item or press **EXIT** to cancel.



Time Zone: Use ◄/► keys to set the time using GMT in the Time Zone setting.

Summer Time: Use ◄/► keys to set the Summer Time mode to ON / OFF.

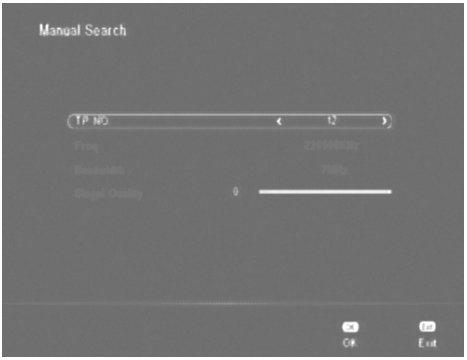
2.5 Installation

Use the ◄/► keys to highlight **INSTALLATION** in the **MAIN MENU**, use the ▲/▼ keys to highlight one of the following selections and press **OK** to enter that submenu environment: Manual Search, Auto Search, Version Info, Factory Default and Upgrade.

2.5.1 Manual Search

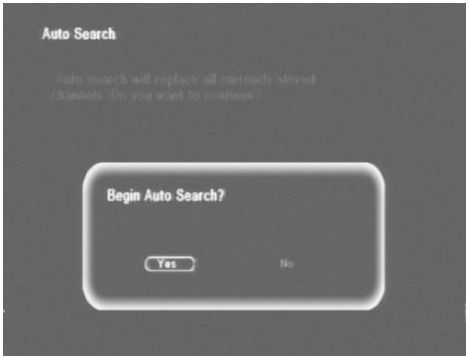
To use manual search it is recommended that you have a good understanding of the services available in your local area. In this menu, you can use the ◄/► button to set the TP (Transponder) No. and settings then search programs from the TP set in the manual search parameters.

1. Press **OK** on Manual Search in the Installation Menu, the following screen will appear.
2. Use the ▲/▼ keys to select the item, and change the settings with the ◄/► or number **(0~9)** keys. (Used to change input frequency)
3. Once the settings have been entered press the **OK** key to scan the current channel or press the **EXIT** key to go back.



2.5.2 Auto Search

Use the ▲/▼ keys to highlight Auto Search and press the **OK** key to initiate **Auto Search** of TV and RADIO programs in your region automatically. **(*The default password is 0000)*** The system will automatically search and save digital channels available in your area, this will take around five minutes. On completion the system will display Live TV, to access a channel List press **OK**.



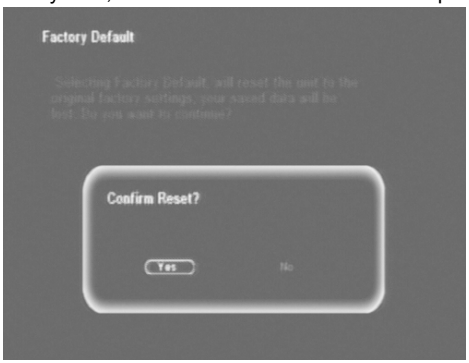
2.5.3 Version Info

Use ▲/▼ buttons to select the Version Info Menu, press **OK** and the menu will show the hardware and software version.

2.5.4 Factory Default

Deletes all the data and settings currently saved and returns the system to the initial state. **(*The default password is 0000)***

Use the ▲/▼ keys to highlight **Factory Default** in the **Installation** Menu, input the password then choose "**YES**", press the **OK** button to confirm that you want to reset the system, the PVR will scan TV and RADIO programs automatically.



2.5.5 Upgrade

An upgrade can be performed using the USB port. (Only to be performed on advice by a DGTEC technician)

2.6 EPG

The Extended Program Guide (EPG) displays program information for all channels for the current day and the following 7 days. Press **EPG** key on the remote control to activate the EPG. In this environment you can view programs on each channel and make timer event bookings up to 7 days in advance.

Use the ▲/▼ keys to navigate through the available channels, the EPG for the highlighted channel will be displayed for the current day plus the next 7 days.

Use the ◄/► keys to navigate through the next 7 days of programming.
Press the **BLUE** (Alter) button to enter into the program information pane or return back to the channel list from the program pane at any time.
Use the **YELLOW** Key to activate information for the highlighted program.
Press the **RED** key on a highlighted program to tag a recording event. A dialogue box will prompt you to select from **Once**, **Daily** or **Weekly**. Once this is done a timer event symbol will appear next to the tagged event.
Press the **GREEN** key to enter the Book Manager submenu environment where you can manually enter a timer event.
Press the **EXIT** button to close the EPG menu.

2.7 TeleText

If you have selected a channel that contains teletext data, you can press **TEXT** button to display Teletext. (Where available from broadcasters)

< TV/Radio and Favorite List in Simple Mode >

Press **OK** on the remote control to activate the channel list which is displayed on the left side of the screen.

Use the ▲/▼ keys to navigate through the channel list, the program title NOW playing will be displayed along with a REC prompt should you wish to record the program. To view the highlighted channel press the **OK** key.

Use the ◀/▶ keys to navigate between **NOW** and **NEXT** for the highlighted channel in the channel list, use the REC feature to book a recording for the **NEXT** program should you wish.

You can switch between TV and Radio lists by pressing the **TV/RADIO** button.
You can select a favorite list by pressing the **FAV** button.
You can view channels by pressing the ▲/▼ keys.

< Time Shift >

Press the **PAUSE** key on the remote control to enter time Shift mode, to commence replaying from where you activated Time Shift press the **PAUSE** key again.

2.8 TRANSFERRING (Copying) RECORDED FILES

This PVR allows you to transfer recorded files to and from the HDD via USB on the rear panel of the unit. Press the **LIST** key on the remote control or go **to FILE LIST** in the **PVR & BOOKING** submenu of the **MAIN MENU** to display the file contents of the HDD. If you have connected a USB drive to the USB port on the rear of the PVR there will be two options available – **hdd** (this is the internal hard drive) and **udisk** (this will be the external device you have connected by the USB port on the rear of the unit.

Copying files from the HDD to USB allows you to store your favorite recorded programs on an external drive and play them back whenever you wish leaving your HDD space free for new recordings.

1. Use the ▲/▼ keys to highlight your selection and press **OK**, the contents of the selected drive will be displayed.
2. Use the ▲/▼ keys to highlight the recorded file you want to copy and press the **GREEN** key on the remote control.
3. A dialogue box will be displayed asking you to confirm the destination drive for the file to be copied, if copying from hdd the destination drive will be udisk, press **OK** to continue.
4. Copying of the file will commence, the system will return you to live TV. A small "**copying**" icon will be displayed on right side of the screen. When copying is complete a dialogue box will be displayed informing you that the process is now complete.

While the file is copying the system will still allow you to watch any channel on live TV and record programs, you can even watch a previously recorded file in playback.

2.9 SET A RECORDING

There are 5 different ways to setup or start a recording:

1. One Touch Recording

One touch recording is simply activated by pressing the record key on the remote control, recording will commence immediately. One Touch Recordings will record for the duration set in **REC Time** in the **Recording Options** submenu of **PVR & Booking** which can be found in the **Main Menu**.

2. Timer Recording

Timer recordings can be set for any time in the future and can be accessed using the **Timer** key on the remote control or by selecting **Book Manager** from the **PVR & Booking** menu in the **Main Menu**. In this environment you can set and manage numerous timer events, press the **RED** key to **ADD** a Timer Event and follow the on screen prompts.

3. EPG Recording

Set a recording event using the Extended Program Guide (**EPG**) by pressing the **EPG** key **[BLUE]** on the remote control. Select the program list by pressing the **BLUE** key and highlight the program you want to record then press the **RED** key to avtivate the recording frequency dialogue box., make your selection then press **OK**, the recording symbol will appear next to the program to be recorded.

4. TimeShit

Timeshift is activated by pressing the **PAUSE** key on the remote control and is often referred to as “Pause Live TV”. Timeshift does not save the file, when you are ready to resume watching the paused program press the **PAUSE** key again. **Fast Forward**, **Skip** and **Rewind** are available while playing back the Timeshift file.

5. Channel list

Press **OK** at any time to display the channel list. Use the ▲/▼ keys to highlight a channel and press the **RED** key to commence recording the program playing on the highlighted channel. To record the NEXT program on the highlighted channel use the ► key to display the program title then press the **RED** key.

2.10 PLAYBACK OPERATION

This PVR will allow you to playback recorded files (TS [recorded on this unit], MP3 and JPEG format) from either the internal HDD or an external storage device connected to the USB port at the rear of this unit.

1. Press the **LIST** key on the remotes control or go **to FILE LIST** in the **PVR & BOOKING** submenu of the **MAIN MENU** to display the file contents of the HDD. If you have connected a USB drive to the USB port on the rear of the PVR there will be two options available – **hdd** (this is the internal hard drive) and **udisk** (this will be the external device you have connected by the USB port on the rear of the unit.
2. Use the ▲/▼ keys to highlight your selection and press **OK**, the contents of the selected drive will be displayed.
3. Use the ▲/▼ keys to highlight the recorded file you want to copy and press the **OK** key on the remote control to commence playing the file. (See page 15 for more information.)

Ps1 Trouble Shooting

Check the PVR according to the procedures detailed below.
If the PVR does not work properly after conducting Problem Solving Protocols, please contact the DGTEC technical department on 1800 189 941. This unit contains dangerous voltages, never remove the cover.

When not in use for a long period, it is recommended that you unplug the unit from the main power socket.

Problem	**Solution**
No Power	Check the power cord for defects. Check mains power switch is on. Press power button on RCU.
No Reception	Check the Signal Strength Indictor and check the antenna cable and that the antenna has been inserted correctly.
No Sound	Volume may be set to low or audio muted. Check the audio cable connection.
No Video	Change video output port or video display type. Check the video cable connection.
The remote control is in operation, but the PVR is not responding	Check the batteries. Check the battery contact.
Cannot record two channels at the same time	Check that the loop cable is correctly connected between the two tuners on the rear panel of the PVR
I am setting recording in the timer but they are not recording	Check to make sure you are selecting the **RECORD** action for the timer event
I press Pause but Timeshift does not work	You need to go to the **PVR Function** setting in the **Main Menu** to activate Timeshift before it will work
No Channels in the Channel List	Please rescan channels.

Ps2 Specification

Section	Detailed Section	Explanation
Input Signal	Input Frequency	49 ~ 861MHz UHF& VHF
	Input Impedance	75 Ohm
	Channel Bandwidth	6M, 7M & 8MHz
	OFDM Spectrum	2K/8K-carrier hierarchical
	Modulation Mode	QPSK, 16QAM, 64QAM
	Guard Interval Modes	1/4, 1/8, 1/16, 1/32
	Code Modes	1/2, 2/3, 3/4, 5/6, 7/8
Video	Algorithm	ISO/IEC 13818-2 MP@HL/MP@ML
	Display Video Type	1080i/720p/576p
	HD Video Output Type	YPbPr, HDMI
	SD Video Output Type	CVBS
Audio	Algorithm	MPEG-1 layer I and II, Ac3
	Frequency Response	20Hz~20k Hz , 0±6dBu
	Sampling Frequency	32, 44.1, 48KHz
	Audio Output Type	Stereo(RCA photo jack)
	Digital Audio Output	S/PDIF Optical
Power	Power	AC90 ~ 250V
	Operating Frequency	50/60Hz
Environmental Condition	Operating Temperature	0 ~ 40℃
	Weight	Around 3.5kg
	Dimension	355mm (W) x 240mm (D) x 60mm (H)

Note:

1. This product complies with legal standards and is manufactured under constant quality control.

2. Technical specifications are up-to-date at the time of printing, however can be subject to changes without prior notice.

NOTES